ABSTRACT

The present invention encompasses a syringe [[(1)]] of non-reusable type comprising: a container [[(3)]], a rod [[(2)]] cooperating with the container, a piston unit [[(12)]] inserted in and reciprocally disposed in the container, and a needle [[(6)]], the rod [[(2)]] being, by an axial displacement movement, moveably disposed reciprocally in said container [[(3)]] and displaying in its one end portion enclosed by the container a first coupling device [[(13a)]] within a two-part coupling arrangement [[(13)]] whose second coupling device [[(13b)]] is related to said piston unit [[(12)]]. Said two coupling devices ~~(13a, 13b)~~ assume a mutually cooperating and active position while the piston unit [[(12)]] is, by the movement of the rod [[(2)]], displaced from a position closely adjacent the needle [[(6)]] to a position distal from the needle [[(6)]] and causes said coupling devices ~~(13a, 13b)~~ to be gradually brought to an inactive position while the piston unit [[(12)]] is, by the movement of the rod [[(2)]], displaced from the distal position in relation to the needle [[(6)]] towards and/or to the position closely adjacent the needle [[(6)]], the two coupling devices ~~(13a, 13b)~~ permitting, in an inactive position, an axial movement of the rod [[(2)]] to take place without cooperation with the piston unit [[(12)]]. Said second coupling device [[(13b)]] is provided with means [[(10)]] which is rotatably coordinated with a piston [[(12')]] included in said piston unit.